Tripp Lite
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Model #: SMART700DVA

SmartPro Dual Voltage Tower UPS System - Maintains 120V nominal output with either 120V or 230V input power

Highlights

- 700VA line-interactive tower UPS system powers 120V devices from global power sources
- Maintains 120V output with 120V or 230V input
- Corrects brownouts and overvoltages from 83-147V (120V) or 159-282V (230V) to regulated 120V nominal output
- 6 NEMA 5-15R outlets
- 2-year warranty

Description

Tripp Lite's dual-voltage SMART700DVA line-interactive UPS system maintains 120V nominal output when fed with North American 120V or international 230V input voltage. Protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 27.5 min. half-load runtime and 11 min. full load runtime during power failures. 700VA/450W power handling capability supports a variety of networking, telecom and other applications, including multiple network workstations. Includes 6 UPS-supported outlets. Supports remote monitoring of UPS and site power conditions via built-in USB and RS-232 enabled DB9 ports. Works with PowerAlert UPS monitoring and unattended shutdown software available via free download from www.tripplite.com. Includes complete USB and serial cabling. Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and load level. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. 2-year warranty.

Applications

- Ideal for military, relief or other applications where low-voltage 120V output is required in both 120V North American or 230V international locations.

Package Includes

- SMART700DVA UPS System
- Detachable NEMA5-15P power cord
- USB cabling and DB9 serial cabling
- Manual with warranty information

Features

- Tripp Lite's dual-voltage SMART700DVA line-interactive UPS system maintains 120V nominal output when fed with North American 120V or international 230V input voltage
- Includes detachable input cord with NEMA 5-15P input plug
- Built-in C14 inlet supports a variety of user-supplied international high- and low-voltage input cables
- Protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges
- Large internal batteries offer 27.5 min. half-load runtime and 11 min. full load runtime during power failures
- 700VA/450W power handling capability supports a variety of networking, telecom and various other applications types, including multiple

network workstations
- Includes 6 UPS-supported outlets
- Supports remote monitoring of UPS and site power conditions via built-in USB and RS-232 enabled DB9 ports
- Works with PowerAlert UPS monitoring and unattended shutdown software, available via free download from www.tripplite.com
- Includes complete USB and serial cabling
- Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and load level
- Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges
- 2-year warranty
- 3 and 5 year extended warranty options available

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120 or 230V AC
Frequency compatibility	50/60 Hz (UPS does not convert frequency)
OUTPUT	
Output VA	700
Output watts	450
Output nominal voltage	120V AC
Output voltage regulation	120V (+8% / - 21%)
Output frequency regulation	Passes line frequency of 50 or 60Hz +/-10%
Outlet quantity / type	6 NEMA 5-15R
Overload protection	Input circuit breaker
INPUT	
Maximum input amps	4.8A @ 120V (2.6A @ 230V)
Input connection type	C14 inlet
Input cord length	Includes NEMA 5-15P to C13 inlet
BATTERY	
Full load runtime	11 min.
Half load runtime	27.5 min.
DC system voltage	24VDC
Typical battery lifespan	4-6 years
Battery recharge rate	2-4 hours (to 90%)
Replacement Battery Cartridge	Qty 4 - RBC51
VOLTAGE REGULATION	
Voltage regulation description	Automatic voltage regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 83V and overvoltages to 147V (120V) / 159V to 282V (230V)
Overvoltage correction	Overvoltages from 125V to 147 V (120V) and from 240V to 282V (230V) are reduced by 12%
Brownout correction	Undervoltages from 83V to 104V (120V) and from 159V to 199V (230V) are boosted by 14%
LEDS ALARMS & SWITCHES	
Front panel LEDs	Includes 5 front panel LEDs to indicate BATTERY CHARGE LEVEL, AC LINE POWER STATUS, VOLTAGE REGULATION STATUS, UPS LOAD LEVEL and BATTERY LOW / REPLACE information

Alarms	Audible alarm with 15 sec. delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 min. runtime remain.
Switches	Includes 2 front panel switchesone main on/off power switch and one dual function "alarm cancel" / "self test" button
SURGE / NOISE SUPPRESSION	
AC surge suppression	570 joules
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping Dimensions (HWD/in)	15.25 x 17.75 x 14.25
Shipping Dimensions (HWD/cm)	38.7 x 45.1 x 36.2
Unit weight (lbs)	51
Unit weight (kg)	23.2
Unit Dimensions (HWD/in)	10.25 x 9 x 12.5
Unit Dimensions (HWD/cm)	26 x 22.9 x 31.75
Material of construction	Steel
Form factors supported	Tower
Cooling method	Fan
Battery Access	Battery access door
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Battery mode BTU/hr. (Max.)	313.4 BTU / hr.
COMMUNICATIONS	
Network monitoring port	Includes USB port, RS-232 enabled DB9 port and slot for optional SNMPWEBCARD accessory
Software and cabling included	Software available via free download from www.tripplite.com
SNMP compatibility	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage drops to 83v or lower (159v at 230v nominal), resets to line power as line voltage increases to 87v or higher (167V at 230V nominal)
High voltage transfer to battery power	Switches to battery power as line voltage increases to 147V or higher (282V at 230V nominal), resets to line power when line voltage drops to 143v or lower (274V at 230V nominal)
SPECIAL FEATURES	
EPO port	Dedicated Emergency Power Off (EPO) port
Appearance	Attractive black color scheme
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), CE (IEC62040 / European Union), FCC Class A (Emissions)
WARRANTY	
Product Warranty Period	2 years

Connected Equipment Coverage	$250,000 connected equipment insurance (USA / Canada only)
Optional Coverage	Available 3 & 5 year extended warrarty coverage. Next-day & on-site warranty coverage available to select oppurtunites

Related Items

Cables and Accessories		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]

Extended Warranties		
WEXT3-500-1500	3-Year Extended Warranty - 1-year extension of standard 2-year warranty	Qty: [optional]
WEXT5-500-1500	5-Year Extended Warranty - 3-year extension of standard 2-year warranty	Qty: [optional]

Power Distribution		
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]

SNMP Accessories		
ENVIROSENSE	Power Management Tools - Environmental Sensor	Qty: [optional]
SNMPWEBCARD	Power Management Tools - Internal SNMP/Web Card	Qty: [optional]

Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3497.

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